REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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STRUCTURE UPLOADED L1

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L1 HAS NO ANSWERS

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Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 12:38:50 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 218 TO ITERATE

100.0% PROCESSED 218 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\* BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 3475 TO 5245

PROJECTED ANSWERS: 2143 TO 3577

L2 50 SEA SSS SAM L1

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FULL SEARCH INITIATED 12:38:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4276 TO ITERATE

100.0% PROCESSED 4276 ITERATIONS

2634 ANSWERS

SEARCH TIME: 00.00.01

L3 2634 SEA SSS FUL L1

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COST IN U.S. DOLLARS

SINCE FILE TOTAL
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188.76 188.98

FULL ESTIMATED COST

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FILE COVERS 1907 - 23 Oct 2009 VOL 151 ISS 18

FILE LAST UPDATED: 22 Oct 2009 (20091022/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 2 L3

=> d abs fbib fhitstr 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. [I; X = CHR2, CHR2A; A = (un)substituted alkylene, alkenylene; Y = a bond, C(:0), C(:S), SO2, COO, CONH and derivs., etc.; R1, R' = independently H, (un)substituted alk(en)yl, aryl, etc.; RA, RB = independently H, halo, alk(en)yl, alkoxy, alkylthio, NH2 and derivs.; or RACCRB = (un)substituted fused hetero/aryl, fused 5- to 7-membered saturated ring; R'' = H, non-interfering substituent; and their pharmaceutically acceptable salts], were prepared as immunomodulators for inducing cytokine biosynthesis in animals and in the treatment of diseases including viral and neoplastic diseases. For example, reacting 1-[3-(aminooxy)propyl]-2-propyl-1H-imidazo[4,5-c]quinolin-4-amine (preparation given) with cyclopropanecarbonyl chloride gave title compound II (m.p. = 103-105°). Thus, induced interferon and tumor necrosis factor in human cells (no data).

- AN 2005:177837 CAPLUS
- DN 142:280205
- TI Preparation of hydroxylamine substituted imidazo-containing compounds as inducers of cytokine biosynthesis for treatment of viral and neoplastic disease
- IN Kshirsagar, Tushar A.; Amos, David T.; Dellaria, Joseph F., Jr.; Heppner, Philip D.; Langer, Scott E.; Zimmermann, Bernhard M.
- PA 3M Innovative Properties Company, USA
- SO PCT Int. Appl., 254 pp. CODEN: PIXXD2
- DT Patent
- LA English

FAN.CNT 2

	PATENT N	KIND DATE					APPL	ICAT		DATE						
ΡI	WO 2005018556 WO 2005018556			A2 A3		20050303 20050929		WO 2004-US26158						20040812		
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	AU 20042 CA 25351		A1		2005		US 2003-494605P US 2003-494608P WO 2004-US26158					P 20030812 P 20030812 20040812 P 20030812 P 20030812 W 20040812 20040812 P 20030812 P 20030812				

	EP	16539 R:		•	CH, LT,	•	DK,	•	0510 FR, MK,	GB, CY,	EP 2 GR, AL, US 2 US 2	TR, 003- 003-	7809 LI, BG, 4946 4946	22 LU, CZ, 05P 08P	NL, EE,	2 SE, HU, P 2 P 2	0040 0040 MC, PL, 0030	812 PT, SK, 812 812	НR
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		20050	0185	51		A2		2005	0000		WO 2	004-	0520	005		_			
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				WO 2004-US26065	M	20040812
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IN	2006CN00516	А	20070622	IN 2006-CN516		20060210
				US 2003-494605P	P	20030812
				WO 2004-US26065	M	20040812

OS CASREACT 142:280205; MARPAT 142:280205

IT 847439-75-2

RL: PRPH (Prophetic)

(Preparation of hydroxylamine substituted imidazo-containing compounds as inducers of cytokine biosynthesis for treatment of viral and neoplastic disease)

RN 847439-75-2 CAPLUS

CN Acetamide, N-[3-(4-amino-2-propyl-1H-imidazo[4,5-c][1,5]naphthyridin-1-yl)propoxy]- (CA INDEX NAME)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. [I; X = CHR2A; A = alkylene, alkenylene optionally interrupted by one or more O; R1, R' = independently H, (un)substituted alk(en)yl, hetero/aryl, hetero/arylalkylenyl, heterocyclyl, heterocyclylalkylenyl, etc.; RA, RB = independently H, halo, alk(en)yl, alkoxy, alkylthio, NH2 and derivs.; or RACCRB = (un)substituted fused hetero/aryl, fused 5- to 7-membered saturated ring; R'' = H, non-interfering substituent; and their pharmaceutically acceptable salts], were prepared as immunomodulators for inducing cytokine biosynthesis in animals and in the treatment of diseases including viral and neoplastic diseases. Thus, reacting 4-fluorobenzaldehyde with 1-[3-(aminooxy)propyl]-2-propyl-1H-imidazo[4,5-c]quinolin-4-amine (preparation given) in MeOH gave oxime II. I induced interferon and tumor necrosis factor in human cells (no data).

- AN 2005:177833 CAPLUS
- DN 142:280204
- TI Preparation of oxime substituted imidazo-containing compounds as inducers of cytokine biosynthesis for treatment of viral and neoplastic disease
- IN Kshirsagar, Tushar; Amos, David T.; Dellaria, Joseph F., Jr.; Heppner, Philip D.; Langer, Scott E.; Zimmermann, Bernhard M.
- PA 3M Innovative Properties Company, USA
- SO PCT Int. Appl., 348 pp. CODEN: PIXXD2
- DT Patent
- LA English

FAN.CNT 2

	PATENT NO.					KIND DATE					APPLICATION NO.						DATE				
ΡI	WO 2005018551 WO 2005018551						20050303 20060511		WO 2004-US26065												
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				MO	2004-US26158	W	20040812

CASREACT 142:280204; MARPAT 142:280204 OS

1044343-60-3  $\operatorname{IT}$ 

RL: PRPH (Prophetic)

(Preparation of oxime substituted imidazo-containing compounds as inducers of cytokine biosynthesis for treatment of viral and neoplastic disease)

1044343-60-3 CAPLUS RN

4-Piperidinone, 1-methyl-, 0-[3-(4-amino-2-ethyl-1H-imidazo[4,5-c]quinolin-CN 1-yl)propyl]oxime (CA INDEX NAME)

OSC.G THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

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